

April 11, 2016

Subject: California Five Year Infrastructure Plan

Reporting Period: January 2016 - April 2016

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Recommended Action:

For information only – no action required.

Background:

Executive Order B-30-15 directs state agencies to implement greenhouse gas emissions reduction programs that support a mid-term greenhouse gas emissions reduction target of 40% below 1990 levels by 2030, and; incorporate climate change into all planning and investment. The Order further directs agencies to account for current and future climate change impacts in every infrastructure project included in the State's Five-Year Infrastructure Plan.

The Strategic Growth Council's Infrastructure Working Group (IWG) was requested by the Governor's Office to partner with the Department of Finance (DOF) in the development of the 2016 Plan. The objective of this partnership was to convey how each state agency is operationalizing Executive Order B-30-15 when planning for or investing in infrastructure. In 2015, the IWG composed an announcement summarizing the Order's directive for agencies to integrate climate change into infrastructure planning and investments, and compiled information from each agency in the Plan describing current efforts and programs being instituted to identify vulnerabilities, minimize risks, and develop responses to the expected climate related impacts to the State infrastructure systems.

Update:

The 2016 Five-Year Infrastructure Plan was released as part of the Governor's Proposed Budget Package on January 7th. It includes a section on "Integrating Climate Change into Planning" in the introduction, and each agency section in the Plan includes a brief statement summarizing the priorities being instituted to advance the Governor's climate goals when planning for or investing in infrastructure.

Additionally, the IWG collected more detailed information from sixteen agencies about their efforts to mitigate CO2 emissions and adapt to the impacts climate change. We will look at the option of creating a portal on the SGC website that would include full agency statements, a list compiled by the working group of department functional plans, and direct visitors to additional climate related information and links (such as Safeguarding California, Climate Change Portal, Cool California, etc.) that support Executive Order B-30-15.

The IWG's 2016 workplan focuses on collaborating with the State Agency Climate Adaptation Technical Advisory Group (TAG) created in Executive Order B-30-15 to:

- Convey more detailed and streamlined climate information in the 2017 Five-Year Infrastructure Plan (such as steps to adapting to climate, major risks to California stemming from a changing climate, a comprehensive definition of California's infrastructure systems , and agency climate priorities);
- Provide the TAG with information about and suggestions for successfully integrating adaptation into infrastructure;
- Identify developed tools and systems that incorporate climate resiliency into infrastructure planning and design, and;
- Produce a guidance document for California departments outlining a process and steps to incorporate anticipating the impacts of climate change in the design, planning and construction of infrastructure projects.
- Coordinate with other State-led efforts focused on the climate resiliency (e.g., the Climate Action Team and working groups, the California's State Disaster Recovery Framework, the California Adaptation Forum, Safeguarding California Implementation Action Plans, AB 32 Scoping Plan, Caltrans' district-wide climate change vulnerability assessments, etc.).

The TAG will offer input, feedback, and suggestions to the IWG's workplan, and provide insight and direction to:

- Revising the 2017 Five-Year Infrastructure Plan.
- Defining California infrastructure.
- Evaluating processes in infrastructure design, planning and investing to determine the best decision points for addressing anticipated impacts of climate change.
- Determining effective targets and metrics for developing resilience.
- Describing the considerations that will ensure useful guidance that provides added value to practitioners developing facilities, transportation or public works projects.
- Recommending best practices for staff engagement, education and professional development.
- Engaging communities – considering not just the impact of climate change on the project, but also the impacts of the project on the surrounding environment/community (e.g., heat islands, intense rain episodes, pervious pavement, etc.)

The IWG participated in the State Agency Climate Adaptation Guide Technical Advisory Group's inaugural meeting on March 4th and will continue to participate in meetings and support their work. The Department of Finance will meet with the IWG in April to develop a timeline for the 2017 Plan.